

Lightweight Ballistic Armor for Military Aircraft

Award Information

Agency:
Department of Defense

Branch

Navy
Amount:
\$1,254,920.00

Award Year:

2007
Program:
SBIR

Phase:

Phase II
Contract:
N68335-07-C-0191

Agency Tracking Number:

N051-023-0997
Solicitation Year:
2005

Solicitation Topic Code:

N05-023
Solicitation Number:
2005.1

Small Business Information
AMERICAN TECHNICAL COATINGS, INC.
12520 Triskett Rd, Cleveland, OH, 44111
Hubzone Owned:
N

Socially and Economically Disadvantaged:

N
Woman Owned:
N

Duns:

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Abstract

ATC will build on the lightweight armor development work accomplished in Phase I of the project. The armor design concept includes a gradient structure of ceramics and polymers with embedded ballistic fabrics. The initial testing in Phase I revealed a strong potential for this concept to become the new state-of-the-art. The first part of the project will focus on stopping 7.62 x 39mm ball rounds at 2500 fps at a reduced weight. In the second part, ATC will focus efforts on designing an armor system to stop 7.62 x 54R AP rounds at 2800 fps.

* information listed above is at the time of submission.